

Handheld terminal for sensors

FIXA



Fixa is a device for addressing sensors connected to the ABB Jokab Safety StatusBus, for addressing AS-i nodes connected to the AS-i bus, for testing sensors and for erasing the code of Adam DYN and Adam OSSD M12-5.

Faster set up

Fixa speeds up the addressing process since every device can be given an address before its connection. Fixa can also be used for troubleshooting, hence reducing further the set-up time.

Easy to use

Fixa is a handheld addressing unit with a comfortable display size, few large buttons and easy to use menus.

Versatile

Fixa can be used to address the ABB Jokab Safety products equipped with the StatusBus function, and all AS-i products/nodes, regardless of brand.

- Powered by internal batteries, PC or charger via USB-micro cable.
- Connection to PC via USB-micro cable.
- Sensor profile and parameter overview in display.



Application:

- Addressing and configuration of:
 - AS-i bus sensors/slaves
 - Sensors for the Jokab Safety StatusBus
- Test of:
 - Sensors for the AS-i bus
 - Sensors for the Jokab Safety dynamic safety circuit
 - Common sensors with PNP output
 - Sensors with OSSD outputs
 - Erasing the code of Adam DYN and Adam OSSD M12-5.

Features:

- Handles StatusBus, AS-i Safety and AS-i standard
- AS-i version 3.0 with extended addressing mode
- User friendly menu
- Delivered as a set in a soft case
- Software updated via Pluto Manager
- Rechargeable and replaceable batteries
- AS-i slave description. Fixa reads the profile number and shows the type in text. E.g. S-7.B.E: "Safe in NS out" (Safety sensor with non-safe outputs)

Technical data - Fixa

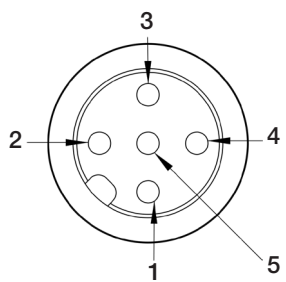
Current consumption with external bus voltage	100±20 mA
Current consumption with internally generated bus voltage	<850±20 mA
Battery data	
Battery	3xNiMH AAA replaceable rechargeable batteries, 1.2VDC each. A screw driver is needed to open the hatch lid
Charging time	1-2 hours
Operating time with fully charged battery	~9h external AS-i voltage Sensor dependent (~1h internal AS-i voltage)
Default battery capacity	1000 mAh
Externally unit supply voltage via micro-USB connector	5±0.25 VDC
External/Internal generated AS-i voltage range	26.5-31.6 VDC
Short-circuit protection	Yes
AS-i reverse polarity protection	Yes
Enclosure dimensions WxHxD	73x140x31 mm
Total unit weight with batteries, cable excluded	250 g
Degree of protection	IP40
Temperature range	5 to +50°C
Temperature transportation and storage	-25 to +50°C

Ordering information

Article number	2TLA020072R2000
Fixa, addressing tool for AS-i and Status bus	
Includes: Batteries, USB charger with cable, M12-C112 cable and a soft case.	
Accessories	
AS-i addressing cable	2TLA020073R0900

M12-connector on Fixa

The standard M12 connector is used for connection to the bus as well as other sensors. The pins have different functionalities depending on selected mode.

	Pin	AS-i Safety/Standard	PNP Sensor test	Dyn. Sensor test	Status bus	OSSD sensor test
	1	AS-i +	+24V	+24V	+24V	+24V
	2	-	-	Dynamic signal out	-	OSSD1
	3	AS-i -	0V	0V	0V	0V
	4	-	-	Dynamic signal in	-	OSSD2
	5	-	Test signal in	-	Status bus	-

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